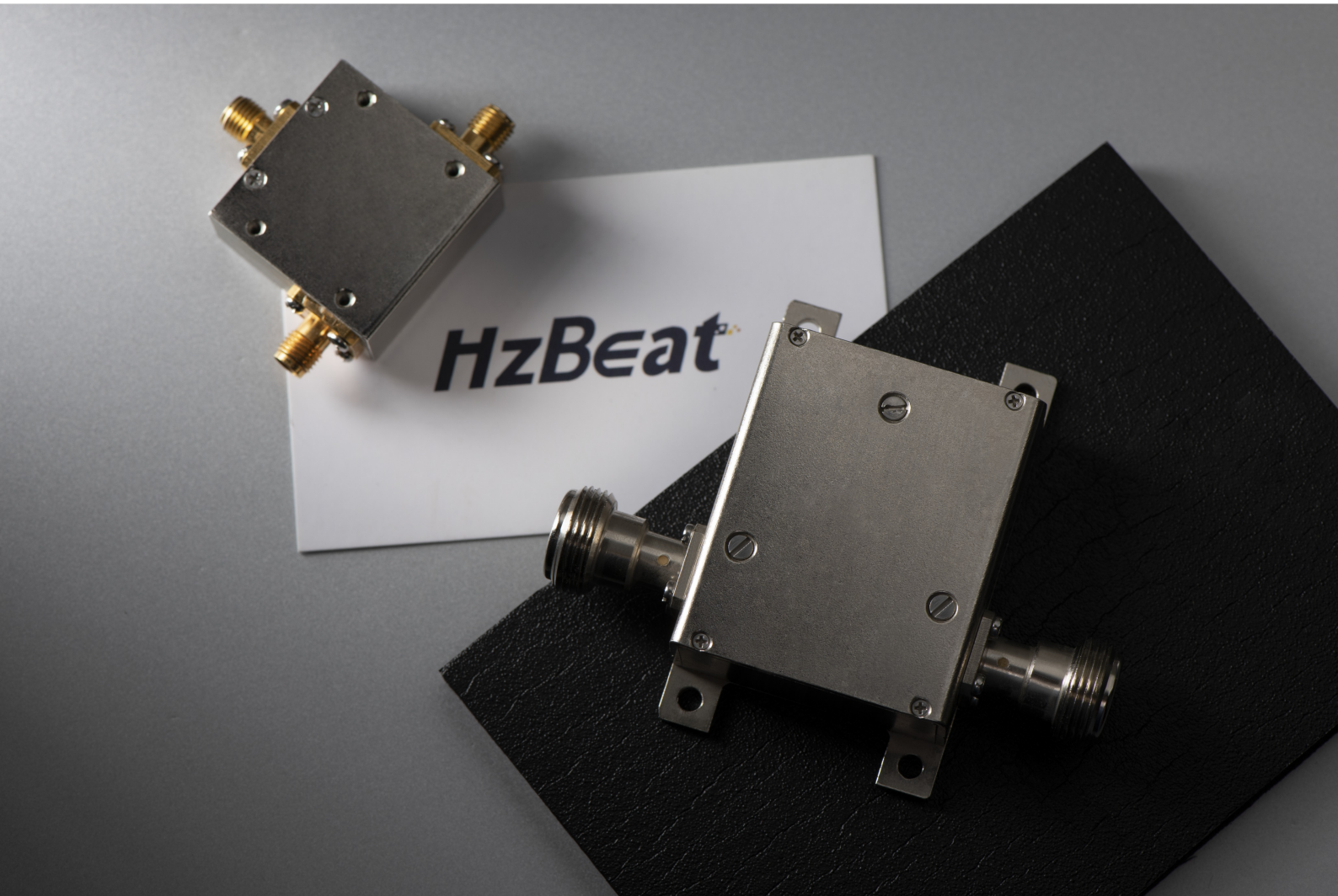


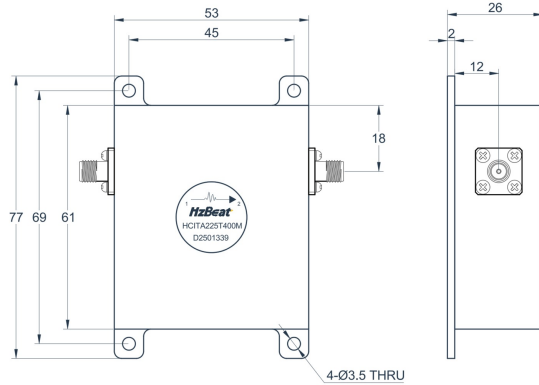
■ Coaxial Product



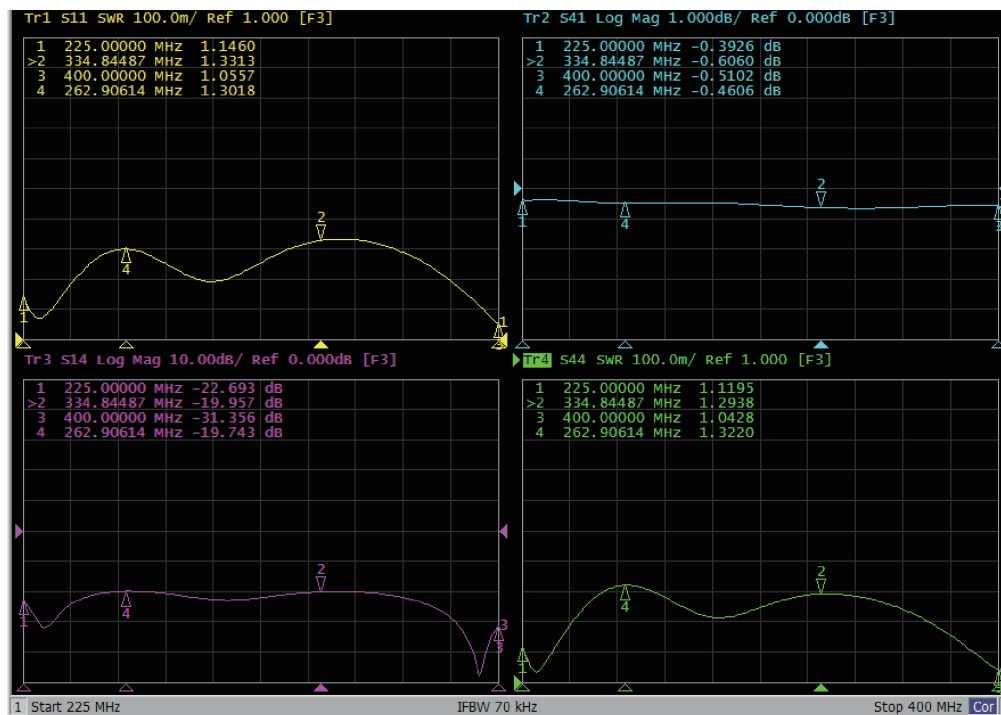
- Frequency range: 40MHz-40GHz
- The relative advantages of coaxial isolator and circulator are small size, light weight and easy installation.

Coaxial Circulator

VHF/UHF 0.225~0.4GHz



Typical Performance Curve

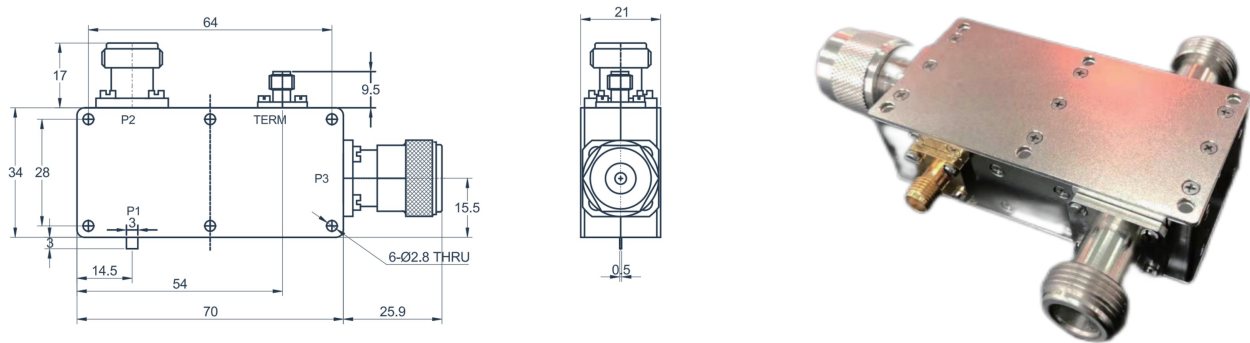


Electrical Performance Table

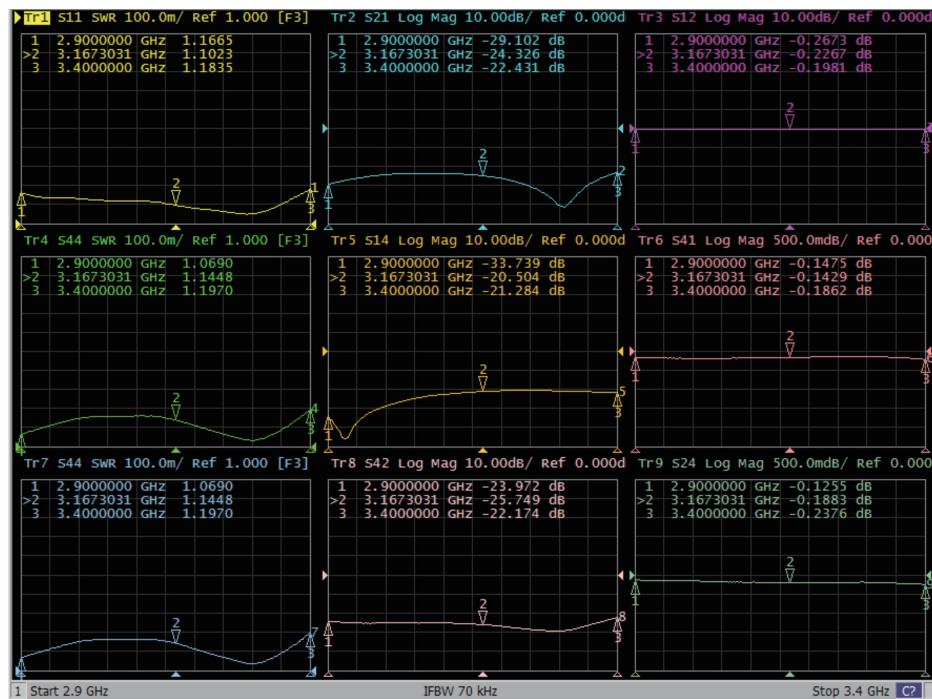
Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/CW (Watt)	Size(mm) L × W × H	Direction
HCCTA225T400M-B	UHF Band(0.225~0.4)	Full	0.7	17	1.35	SMA	-40~+70℃	400/60	53×77×26	CW / CCW

Dual-Junction Coaxial Circulator

S Band 2.9~3.4GHz



Typical Performance Curve



Electrical Performance Table

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/PW/ Duty cycle (Watt)	Size(mm) L × W × H	Direction
HCDUA29T34G	2.9~3.4	Full	P1→P2: 0.3dB(0.4dB)	P2→P1: 20dB(17dB)	1.25 (1.35)	N-K	-30~+95℃	5000/500us/10%	34×70×21	CW / CCW
			P2→P3: 0.6dB(0.8dB)	P3→P2: 40dB(34dB)		N-J				
						SMA				
						TAB				

Coaxial Product

Typical Coaxial Circulator

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/CW (Watt)	Size(mm) L × W × H	Direction
HCCTA01T04G	VHF Band(0.1~0.4)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50	100×100×30	CW / CCW
HCCTA02T06G	UHF Band(0.2~0.6)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50	62×62×26	CW / CCW
HCCTA04T10G	UHF Band(0.4~1.0)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50	46×46×14	CW / CCW
HCCTA08T25G	UHF Band(0.8~2.5)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50	25×25×14	CW / CCW
HCCTA15T35G	L Band(1.5~3.5)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50	19×19×9.4	CW / CCW
HCCTA30T50G	S Band(3.0~5.0)	10%	0.4	20	1.2	SMA	-55~+85℃	200/40	25×21×13.7	CW / CCW
HCCTA40T80G	C Band(4.0~8.0)	10%	0.4	20	1.2	SMA	-55~+85℃	200/40	27×17×15.7	CW / CCW
HCCTA80T190G	X Band(8.0~19.0)	10%	0.4	20	1.25	SMA	-55~+85℃	200/40	26×13×14.5	CW / CCW
HCCTA180T400G	K Band(18.0~40.0)	10%	0.6	18	1.35	2.92-K	-55~+85℃	200/40	25×10×9	CW / CCW

High Power Coaxial Circulator

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/CW (Watt)	Size(mm) L × W × H	Direction
HCCTA01T04G-H	VHF Band(0.1~0.4)	10%	0.4	20	1.2	N-K	-55~+85℃	5000/500	100×100×37	CW / CCW
HCCTA02T06G-H	UHF Band(0.2~0.6)	10%	0.4	20	1.2	N-K	-55~+85℃	3000/300	50×50×25	CW / CCW
HCCTA04T10G-H	UHF Band(0.4~1.0)	10%	0.4	20	1.2	N-K	-55~+85℃	2000/200	50×50×25	CW / CCW
HCCTA08T25G-H	UHF Band(0.8~2.5)	10%	0.4	20	1.2	N-K	-55~+85℃	1500/150	40×40×17	CW / CCW

Coaxial Product

Broadband Coaxial Circulator

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/CW (Watt)	Size(mm) L × W × H	Direction
HCCTA50T75M-B	VHF Band(0.05~0.075)	Full	1.2	16	1.4	SMA	-40~+70℃	400/60	80×80×32	CW / CCW
HCCTA100T160M-B	VHF Band(0.1~0.16)	Full	0.7	17	1.35	SMA	-40~+70℃	400/60	63×82×26	CW / CCW
HCCTA160T225M-B	VHF Band(0.16~0.225)	Full	0.7	17	1.35	SMA	-40~+70℃	400/60	53×77×26	CW / CCW
HCCTA225T400M-B	UHF Band(0.225~0.4)	Full	0.7	17	1.35	SMA	-40~+70℃	400/60	53×77×26	CW / CCW
HCCTA400T700M-B	UHF Band(0.4~0.7)	Full	0.9	16	1.4	SMA	-40~+70℃	400/60	41×65×20	CW / CCW
HCCTA06T10G-B	UHF Band(0.6~1)	Full	0.9	16	1.4	SMA	-40~+70℃	400/60	41×65×20	CW / CCW
HCCTA08T24G-B	L Band(0.8~2.4)	Full	1.3	13	1.6	SMA	-20~+60℃	100	50×50×20	CW / CCW
HCCTA10T20G-B	L Band(1.0~2.0)	Full	0.7(1.0)	16(14)	1.5(1.6)	SMA	-20~+60℃	100	56×56×26	CW / CCW
HCCTA20T40G-B	S Band(2.0~4.0)	Full	0.5	17	1.35	SMA	-20~+60℃	80	30.5×30.5×15	CW / CCW
HCCTA20T60G-B	S/C Band(2.0~6.0)	Full	0.8	13	1.5	SMA	-40~+70℃	80	30.5×30.5×15	CW / CCW
HCCTA30T60G-B	S/C Band(3.0~6.0)	Full	0.6	16	1.35	SMA	-40~+70℃	100/100	25×25×15	CW / CCW
HCCTA40T80G-B	C Band(4.0~8.0)	Full	0.5	17	1.35	SMA	-55~+85℃	-/80	19×19×13	CW / CCW
HCCTA60T180G-B	C/XKu Band(6.0~18.0)	Full	1.2	11	1.7	SMA	-20~+60℃	50/20	18.5×13×12	CW / CCW
HCCTA180T265G-B	K Band(18.0~26.5)	Full	1	14	1.5	2.92-K	-55~+85℃	20/5	25×25×9	CW / CCW

Coaxial Product

Typical Coaxial Isolator

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/CW/RP (Watt)	Size (mm) L × W × H	Direction
HCITA01T04G	VHF Band(0.1~0.4)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50/15	100×100×30	CW / CCW
HCITA02T06G	VHF Band(0.2~0.6)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50/15	62×62×26	CW / CCW
HCITA04T10G	UHF Band(0.4~1.0)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50/15	46×46×14	CW / CCW
HCITA08T25G	UHF Band(0.8~2.5)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50/15	19×19×9.4	CW / CCW
HCITA15T35G	L Band(1.5~3.5)	10%	0.4	20	1.2	SMA	-55~+85℃	500/50/15	25×25×14	CW / CCW
HCITA30T50G	S Band(3.0~5.0)	10%	0.4	20	1.2	SMA	-55~+85℃	200/40/15	25×33×13.7	CW / CCW
HCITA40T80G	C Band(4.0~8.0)	10%	0.4	20	1.2	SMA	-55~+85℃	400/40/15	27×29×15.7	CW / CCW
HCITA80T190G	X/Ku Band(8.0~19.0)	10%	0.4	20	1.25	SMA	-55~+85℃	200/40/15	26×23×14.5	CW / CCW
HCITA200T250G	K Band(20.0~25.0)	Full	1.1	23	1.25	SMA	-55~+85℃	-/10/-	26×10.2×12.5	CW / CCW
HCITA180T400G	K/Ka Band(18.0~40.0)	10%	0.6	18	1.35	2.92	-55~+85℃	20/5/1	25×10×9	CW / CCW

Broadband Coaxial Isolator

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/CW/RP (Watt)	Size (mm) L × W × H	Direction
HCITA01T04G-B	VHF Band(0.1~0.4)	10%	0.6	15	1.5	SMA	-55~+85℃	1000/100/15	100×100×30	CW / CCW
HCITA03T06G-B	UHF Band(0.3~0.6)	10%	0.6	15	1.5	SMA	-55~+85℃	1000/100/15	62×62×26	CW / CCW
HCITA05T10G-B	UHF Band(0.5~1.0)	10%	0.6	15	1.5	SMA	-55~+85℃	1000/100/15	46×46×14	CW / CCW
HCITA10T20G-B	L Band(1.0~2.0)	Full	0.7(1)	16(14)	1.5(1.6)	SMA	-20~+60℃	-/100/15	56×56×26	CW / CCW
HCITA20T40G-B	S Band(2.0~4.0)	Full	0.5	17	1.35(1.4)	SMA	-20~+60℃	-/80/15	30.5×30.5×15	CW / CCW
HCITA20T60G-B	S/C Band(2.0~6.0)	Full	0.8	13	1.5	SMA	-40~+70℃	-/80/15	30.5×30.5×15	CW / CCW
HCITA30T60G-B	S/C Band(3.0~6.0)	Full	0.6	16	1.35	SMA	-40~+70℃	-/60/60	25×25×15	CW / CCW
HCITA40T80G-B	C Band(4.0~8.0)	Full	0.4(0.5)	18(17)	1.35	SMA	-40~+70℃	-/60/20	19×19×13	CW / CCW
HCITA60T180G-B	C/X/Ku Band(6.0~18.0)	Full	1.2(1.5)	11	1.7	SMA	-20~+60℃	50/20/15	22.5×13×12	CW / CCW
HCITA180T265G-B	K Band(18.0~26.5)	Full	1	14	1.5	2.92-K	-40~+70℃	10/2/1	16×13×12.6	CW / CCW

Coaxial Product

High Power Coaxial Isolator

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/CW/RP (Watt)	Size(mm) L × W × H	Direction
HCITA50T250M-H	VHF Band(0.05~0.25)	10%	0.4	20	1.2	N-K	-55~+85℃	5000/500/300	114×100×30	CW / CCW
HCITA02T05G-H	VHF Band(0.2~0.5)	10%	0.4	20	1.2	N-K	-55~+85℃	5000/500/300	76×62×26	CW / CCW
HCITA04T10G-H	VHF Band(0.4~1.0)	10%	0.4	20	1.2	N-K	-55~+85℃	3000/300/300	60×46×20	CW / CCW
HCITA08T25G-H	UHF Band(0.8~2.5)	10%	0.4	20	1.2	N-K	-55~+85℃	2000/200/150	38×25×20	CW / CCW
HCITA30T120G-H	S/C/X Band(3.0~12.0)	10%	0.4	20	1.2	N-K	-40~+70℃	800/100/80	26×19×13	CW / CCW

Dual-Junction Coaxial Circulator

Model	Frequency (GHz)	BW Max	Insertion loss(dB)Max	Isolation (dB)Min	VSWR Max	Connector	Operating temperature (℃)	PK/PW/ Duty cycle (Watt)	Size(mm) L × W × H	Direction
HCDUA29T34G	2.9~3.4	Full	P1→P2: 0.3dB(0.4dB)	P2→P1: 20dB(17dB)	1.25 (1.35)	N-K	-30~+95℃	5000/500us/10%	34×70×21	CW / CCW
						N-J				
			P2→P3: 0.6dB(0.8dB)	P3→P2: 40dB(34dB)		SMA				
						TAB				