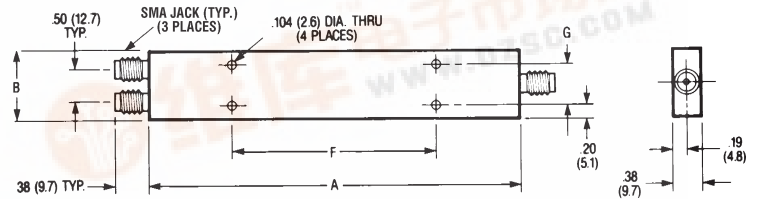


Two-, Four- & Eight-Way Isolated Power Dividers Tapered 2090 Series

V2.00

Features

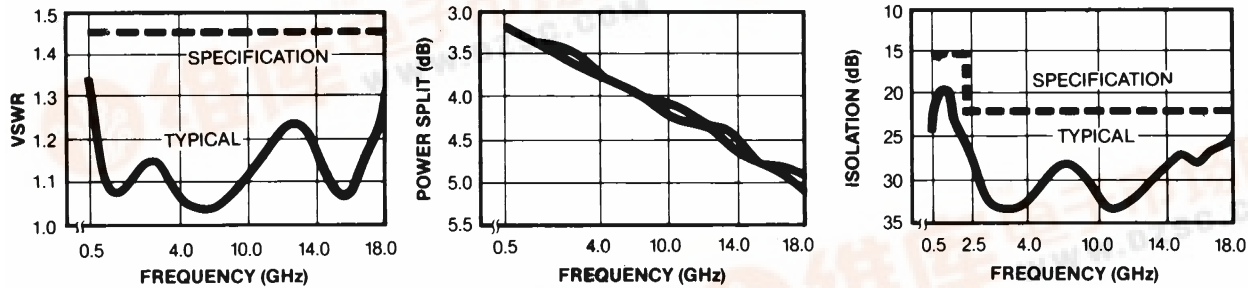
- Broadband Performance 0.5-18.0 GHz
- Low Insertion Loss
- Excellent Amplitude and Phase Balance
- Power: 50 Watts Maximum
- Meets MIL-E-5400 Environments



Description

These are the smallest in-phase isolation 0.5-18.0 GHz power dividers available. Rugged stripline construction, housed in sealed lightweight packages insure reliable operation in the roughest environments. SMA stainless steel connectors are standard. Contact the factory for other connector designs.

Typical Performance Part No. 2090-6214-00



Specifications

PART NO.	NO. OF OUTPUTS	FREQUENCY RANGE (GHz)	VSWR (max.)		ISOLATION (dB min.) FREQUENCY (GHz)		INSERTION LOSS dB (max.)	OUTPUT UNBALANCE				MAXIMUM INPUT POWER* (watts)
			Input	Output	0.5-2.5	2.5-18.0		AMP. (dB) FREQUENCY (GHz)		PHASE (deg.) FREQUENCY (GHz)		
								0.5-2.5	2.5-18.0	0.5-2.5	2.5-18.0	
2090-6214-00	2	0.5-18.0	1.40	1.35	15	22	0.25 + 0.11f	0.4	0.4	5	5	50
2090-6414-00	4	0.5-18.0	1.6	1.4	14	18	0.6 + .20f	0.6	1.0	8	12	50
2090-6814-00	8	0.5-18.0	1.7	1.5	14	17	1.0 + 0.25f	0.8	1.4	10	16	50

* 50 Watts with 1.2:1 max. load VSWR.
 25 Watts with 2:1 max. load VSWR.

Mechanical Specifications

PART NO.	SIZE, INCHES (mm)				WEIGHT	
	A	B	F	G	oz.	g
2090-6214-00	5.50 (139.7)	1.00 (25.4)	4.00 (101.6)	.60 (15.2)	3.4	96.6
2090-6414-00	5.20 (132.1)	2.00 (50.8)	3.20 (81.3)	1.60 (45.7)	16	448
2090-6814-00	5.20 (132.1)	4.00 (101.6)	3.20 (81.3)	3.60 (91.4)	30	840