DC Start Directional Coupler

Model **DC16-500 Rev.B**



DC-50GHz 16dB Directional Coupler, Coaxial connector

Micable DC16-500 can work at DC-50GHz. It has very accurate coupling over 1-50GHz and repeated consistent coupling below 1GHz. It is ideal for test instrument, wideband signal sampling and power monitoring

Specifications

All specifications are subject to change without notice at any time

Frequency Range	GHz	DC-0.4	0.4-1	1-26.5	26.5-50
Input VSWR	:1 (Typ./Max.)	1.1/1.3	1.1/1.3	1.3/1.6	1.4/1.8
Thru. VSWR	:1 (Typ./Max.)	1.1/1.3	1.1/1.3	1.3/1.6	1.4/1.8
Coupling VSWR	:1 (Typ./Max.)	1.1/1.3	1.1/1.3	1.4/1.6	1.5/1.8
Insertion Loss	dB(Typ./Max.)	0.2/0.7	0.3/0.8	1.1/1.7	1.4/2.2
Coupling	dB(Typ./Max.)	31/-	18/-	16/16±2.5	16/16±2.5
Directivity	dB(Typ./Min.)	25/-	25/-	16/12	11/8

Power[1]	W(Max.)	CW: 20; Peak: 1000			
Weight	g(Max.)	60	Dimension[2]	mm (LxWxH)	66.0x12.7x17.8
Interface	Main line: 2.4mm [F], Coup.: 2.4mm [F]; Stainless steel connector, Per IEC 61169				
Finishing	Nickel plating				
Temperature	Operating: -55~+85°C; Storage: -55~+100°C				
Environmental	Optional: Per MIL-STD-202F (contact supplier for detail info.)				
Eng. Customized	N/A				

Note:

1. VSWR ≤1.2 required for CW
2. Unless otherwise specified, Decimal tolerance: x.±1; .x±0.5; .xx±0.1

Outline Drawing

