



COUCB-xxM-yFA-3IM

LOW POWER MICROSTRIP COUPLER
N, DIN, 4.3-10 Type Connectors / PIM Compliant

700 MHz - 2700 MHz

PRODUCT IMAGE (4.3-10 coupler)



ELECTRICAL SPECIFICATIONS

Frequency	700MHz ~ 2700MHz		
Losses / Isolation	Coupling Loss	Through Loss	Isolation
4.8dB Coupler	4.8dB ± 0.8dB	1.65dB	≤-25dB
6dB Coupler	6.0dB ± 0.8dB	1.26dB	≤-26dB
8dB Coupler	8.0dB ± 0.8dB	0.75dB	≤-28dB
10dB Coupler	10.0dB ± 1.0dB	0.45dB	≤-30dB
13dB Coupler	13.0dB ± 1.0dB	0.21dB	≤-33dB
15dB Coupler	15.0dB ± 1.1dB	0.14dB	≤-35dB
20dB Coupler	20.0dB ± 1.2dB	0.05dB	≤-40dB
Insertion Loss	<0.45dB		
Return Loss	>20dB		
VSWR	≤1.25		
Impedance	50Ω		
Passive Intermodulation	4.3-10, DIN connectors	≤-150dBc (2 x 43dBm)	
	N-type connectors	≤-140dBc (2 x 43dBm)	
Maximum Input Power	200W (4.3-10, DIN connectors) / 100W (N-type)		
Connectors	4.3-10 Female / DIN / N-type		

MECHANICAL SPECIFICATIONS

Weight	0.450kg
Dimensions (4.3-10 type)	148mm x 58mm x 25mm
Coupler Material	Aluminum with Internal Silver Plating
Connector Material	Brass with Silver Plating
Mounting Bracket	20mm Raised Stainless Steel Mount

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-35°C to +75°C
IP Rating	IP54

SYSKIM RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE REV.4

ORDERING INFORMATION

COUCB - xxM - yFA-3IM

Coupler Type

- 04 - 4.8 dB
- 06 - 6 dB
- 08 - 8 dB
- 10 - 10 dB
- 13 - 13 dB
- 15 - 15 dB
- 20 - 20 dB

Connector Type

- D - DIN Female Connectors
- N - N Female Connectors
- 43 - 4.3-10 Female Connectors

Coupler with 4.3-10 connectors shown below

