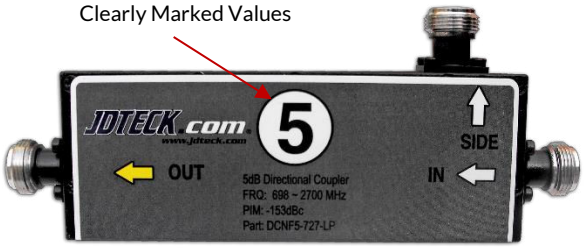
PART NO.
DCNF-dB-727-LP

TECHNICAL DATA SHEET
Low PIM Directional Coupler ~ N Type

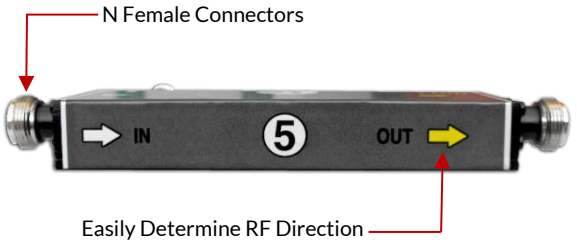
SPECIFICATIONS

Description	Specification						
Frequency Range	698 ~ 2700 MHz						
Coupling Values	3dB	5dB	7dB		10dB	14dB	17dB
	4dB	6dB	8dB	9dB	12dB	15dB	20dB
Coupled Loss (dB)	0.8	0.8	0.8		1	1	1
Insertion Loss (dB)	2.8	1.6	1.3		0.8	0.5	0.4
PIM Rating	-153dBc @ 2 x 43dBm						
Power Rating	200 W						
VSWR	< 1.25						
Impedance	50 Ω						
Connector	N (Female)						
Weight	343 g						
Color	Black						

Application Image



VIEWABLE FROM ANY ANGLE



Assorted Values Available

FEATURES:

Low PIM Directional couplers are used in a wide variety of applications and can satisfy almost any requirement for sampling incident and reflected microwave power conveniently and accurately with minimal disturbance to the transmission line. Some general applications for directional couplers include line monitoring, power measurements and load source isolators. Low Passive-Intermodulation (PIM) couplers are ideal for LTE applications which ensures high data throughput. A directional coupler separates signals based on the direction of signal propagation. These devices are used to unequally split the signal flowing in the mainline and to fully pass the signal flowing in the opposite direction. Each directional coupler is hand tested for optimal VSWR before shipping so performance is guaranteed.

● Multi-Band (698-2700 MHz) ● Low PIM (-153dBc) ● N Type Connector ● High Port Isolation ● Range of Coupling Values Available ● Very low insertion loss ● Clearly Labeled Coupler Values ● Divide signals per rated value

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