



SKU-dB	Cpl'g Tolerance	Cpl'g Flatness	Ins'n Loss	Forward Power
1CN3827-05	± 1.00	± 1.25	2.5	45
1CN3827-06			1.9	60
1CN3827-07			1.7	75
1CN3827-10	± 1.25	± 1.25	0.9	100
1CN3827-15			0.7	150
1CN3827-20	± 1.50	± 1.50	0.5	
1CN3827-30			0.4	

### ELECTRICAL SPECIFICATIONS

Frequency Range	380 ~ 2700	MHz
Coupling Tolerance	SEE TABLE	dB, Nom'l.
Flatness (Sensitivity)	SEE TABLE	dB, Max.
Directionality	20	dB, Min.
Main Line Insertion Loss	SEE TABLE	dB, Max.
Main Line VSWR	1.35	:1, Max.
Coupled Port VSWR	1.35	:1, Max.
Forward Average Power	SEE TABLE	Watts, Max.

Impedance	50	Ω, Nom'l.
Passive Intermodulation	-150 dBc	BY DESIGN ONLY

### MECHANICAL SPECIFICATIONS

R.F. Interface	SMA Female
Operating Temperature	-40 ~ +85 °C (Tested at +25°C)
Environment	Indoor use only.
Humidity	95%, Non-Condensing
Weight	1.14 lb. Nom'l.

# WERBEL MICROWAVE

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### 1CN3827-dB

Connectors	Stainless Steel, Passivate
Contact Pins	Beryllium Copper, Gold Plate
Insulators	PTFE
Housing	Aluminum, RoHS Chemical Conversion
Finish	Clear Chemical Conversion Film

### DAS Directional Coupler

REV	DESCRIPTION	ENG.	DATE
0	Engineering release.	ETW	1/24/2017

Input power is rated for load VSWR of 1.20:1, max. Insertion loss excludes coupling/split loss.  
 All dimensions in inches with tolerance ± .010" and are typical unless otherwise specified.  
 Specifications are subject to change without notice. This document shall not form part of any contract.