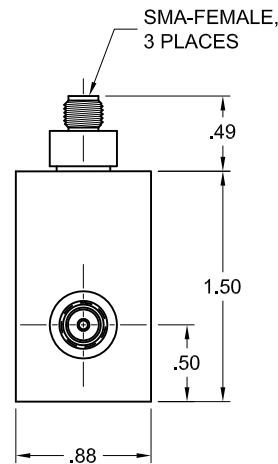


# ELECTRICAL SPECIFICATIONS

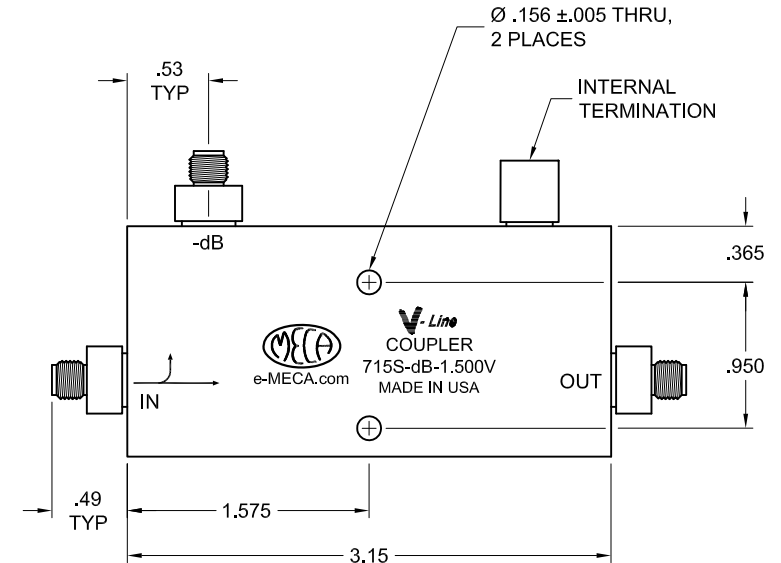
FREQUENCY RANGE (GHz): 0.800 - 2.200  
 IMPEDANCE (NOMINAL): 50 Ohms  
 VSWR (MAX): SEE TABLE  
 COUPLING: \*NOMINAL ±1.75 dB  
 (INCLUDES ALL VARIATIONS)  
 DIRECTIVITY (MIN): SEE TABLE  
 INSERTION LOSS (MAX): 0.1 dB  
 (EXCLUDING COUPLED POWER)  
 POWER RATING: AVG: SEE TABLE  
 PEAK: 10 KWATTS

\* NOMINAL COUPLING VALUES OF 6, 10, 20, 30 & 40 dB AVAILABLE



# MECHANICAL SPECIFICATIONS

CONNECTORS: SMA-FEMALE, STAINLESS STEEL, PASSIVATE  
 CONTACT PINS: BERYLLIUM COPPER, GOLD PLATE  
 HOUSING: ALUMINUM, RoHS COMPLIANT IRIDITE  
 INSULATORS: PTFE, VIRGIN ELECTRICAL GRADE  
 TEMPERATURE: -55°C TO +85°C  
 WEIGHT: 6.7 oz



PART NO.	COUPLING (dB) (NOMINAL)	DIRECTIVITY (dB) (MIN)	VSWR (MAX)	POWER RATING (WATTS)	
				FORWARD	REVERSE
715S-06-1.500V	6	22	1.20:1	100	10
715S-08-1.500V	8	25	1.15:1	100	10
715S-10-1.500V	10	25	1.15:1	100	25
715S-15-1.500V	15	27	1.10:1	100	25
715S-20-1.500V	20	27	1.10:1	100	100
715S-30-1.500V	30	27	1.10:1	100	100
715S-40-1.500V	40	25	1.10:1	100	100

E	D	C	B	A	LTR	PG	DESCRIPTION	DATE	DR	APP	MATERIAL:	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	MECA ELECTRONICS, INC. DENVER, NEW JERSEY e-MECA.com				
							SEE DCN # 110901-4	09/02/11	M.O.C.	RR	SEE ABOVE	TOLERANCES 2 PLACES: ±.05 3 PLACES: ±.020 ANGLES: N/A	TITLE 715S SERIES DIRECTIONAL COUPLER SPECIFICATION DRAWING				
							SEE DCN # 080801	08/04/08	N/A	JL	FINISH:	TIR: N/A	SCALE: NTS	SIZE	CODE IDENT. NO.	DRAWING NO.	REV
							SEE DCN # 080718-14	07/23/08	N/A	RR	SEE ABOVE			A	22424	715S-dB-1.500V	E
							WAS 3 KWATTS	10/11/05	N/A	JL	DRAWN:						
							WAS 65°C TO 150°C	10/11/05	N/A	JL	DATE:						
											RWA	05/31/02					
											APPROVED:	DATE:					
											MJD	05/31/02	SHEET: 1 OF 1				