

# COAXIAL COUPLERS

## 6.3 3 dB 90° HYBRID HIGH POWER COAXIAL COUPLERS

### RF CHARACTERISTICS

RADIALL PART NUMBER	FREQUENCY RANGE (GHz)	AMPLITUDE BALANCE ± (dB)	INSERTION LOSS (dB) (max)	ISOLATION (dB) (min)	VSWR (max) (dB)	INPUT POWER		FIGURE
						AVERAGE (W) (1)	PEAK (kW) (2)	
R 432 171	0.15 – 0.3	0.5	0.3	30	1.15	500	5	1
R 432 271	0.25 – 0.5	0.5	0.3	30	1.15	500	5	2
R 432 371	0.5 – 1	0.5	0.3	25	1.15	300	5	3
R 432 471	1 – 2	0.5	0.3	25	1.20	200	5	4
R 432 431	1 – 2	0.5	0.3	25	1.20	100	3	5
R 432 986	6 – 18	0.75	0.8	12	1.75	100	5	6

Notes : (1) at 25°C  
(2) at 25°C (1µs - duty cycle 1%)

### MECHANICAL CHARACTERISTICS

CONSTRUCTION		SPLASHPROOF
RF Connectors (MIL C 39012)	R 432 171	N
	R 432 271	N
	R 432 371	N
	R 432 471	N
	R 432 431	SMA
	R 432 986	TNC

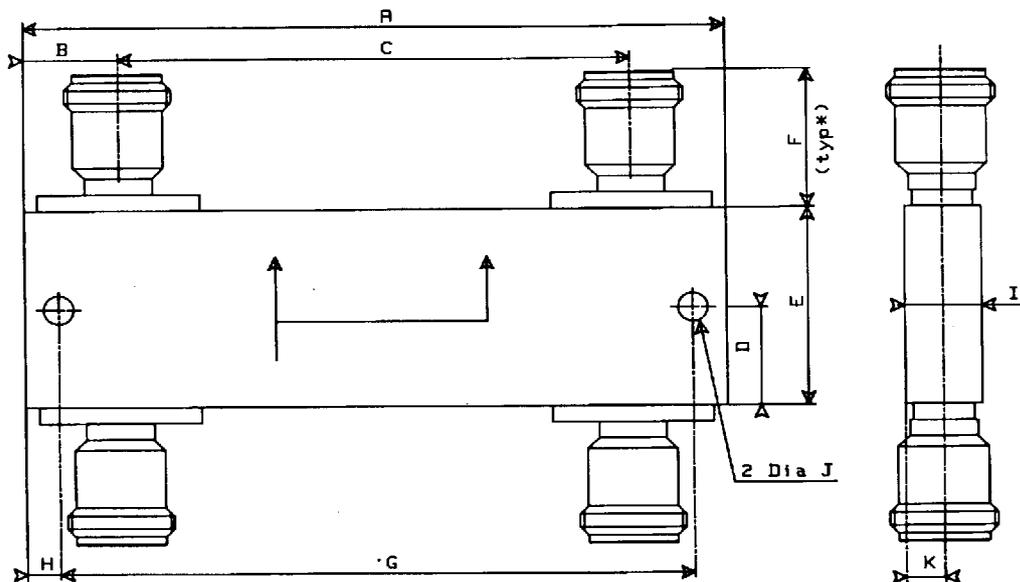
### ENVIRONMENTAL CHARACTERISTICS (In accordance with MIL STD 202)

	N AND SMA CONNECTORS	TNC CONNECTORS
OPERATING TEMPERATURE RANGE	-25/+70	-40/+85
STORAGE TEMPERATURE RANGE	-25/+70	-55/+100
VIBRATION (MIL STD 202)	METHOD 204 cond D (10-2000/20G)	
SHOCK (MIL STD 202)	METHOD 213 cond C (100G/6mS)	

# COAXIAL COUPLERS

## OUTLINE DRAWINGS

GENERAL TOLERANCE  $\pm 0.5$  mm



4 female connectors

	FIG.1	FIG.2	FIG.3	FIG.4	FIG.5	FIG.6
--	-------	-------	-------	-------	-------	-------

A	240	156	93	58.7	49	35
B	14	14	14	13.6	8	7.9
C	212	128	65	31.5	33	19.3
D	15.2	15.2	15.2	15.2	10.5	13.5
E	30.4	30.4	30.4	30.4	21	27
F	21.7	21.7	21.7	21.7	7.4	12
G	230	146	83	52	42	29
H	5	5	5	3.4	3.5	3
I	11.3	11.3	11.3	11.3	8.3	14.3
J	4.4	4.4	4.4	3.3	3.3	3.5
K	5.65	5.65	5.65	5.65	4.15	7.15
WEIGHT (g)	510	370	260	210	60	62