

4-WAY Ka BAND POWER DIVIDER / COMBINER

- Covers Military and Millimeter Wave Communication Bands
- High Isolation Over the Band
- Rugged Construction — Sealed for Low RFI and Outdoor Applications
- 2.9 mm Connectors are Standard*

*Optional 2.4 mm connector version available



DESCRIPTION

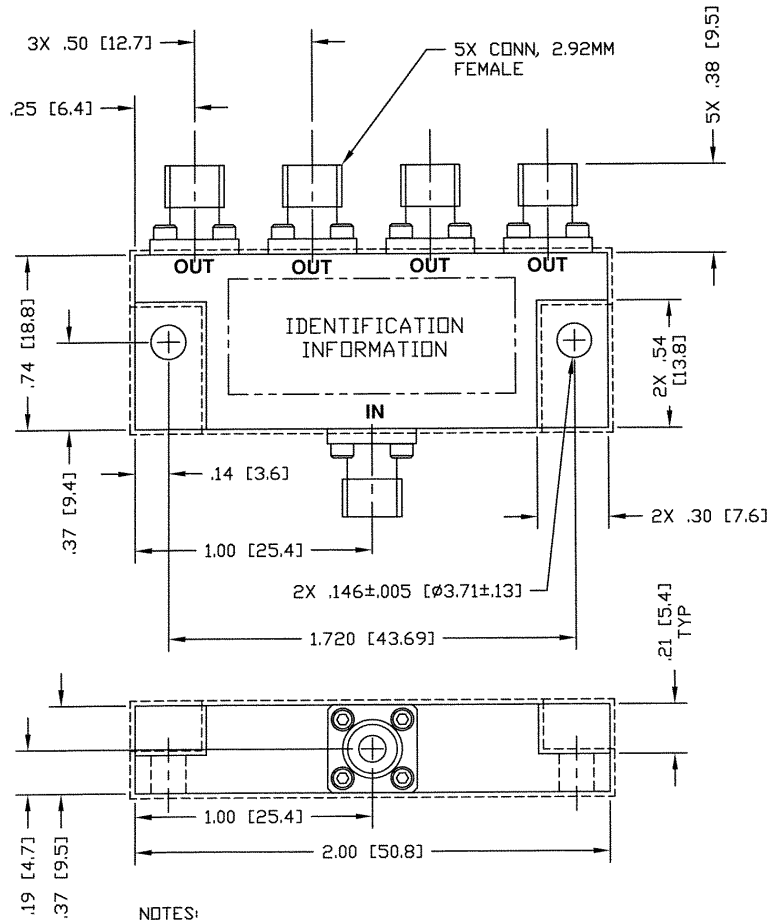
Narda's Model 4318-4 is a Wilkinson-style millimeter wave power divider / combiner. Designed for military and ATE applications, this unit delivers excellent isolation – typically 17 dB minimum – and a typical VSWR of 1.7:1 or less.

SPECIFICATIONS

MODEL	4318-4
FREQUENCY RANGE	18.0 - 40.0 GHz
INSERTION LOSS (MAX)	2.2 dB
ISOLATION (MIN)	14 dB
VSWR (MAX)	
Inputs	1.9:1
Outputs	1.9:1
AMPLITUDE BALANCE (MAX)	1.2 dB
PHASE BALANCE (MAX)	14°
INPUT POWER (MAX)	
Average Power	Load VSWR
30.0 Watts	1.2:1
5.0 Watts	2:1
0.5 Watts	∞
WEIGHT (MAX)	40 g
MECHANICAL	See Outline Drawing

Power Dividers

OUTLINE DRAWING



NOTES:

1. ALL DIMS IN [] ARE IN MM AND FOR REF. ONLY
2. CONNECTORS MATE WITHOUT INTERFERENCE PER MIL-STD-348
3. DOTTED AREA REPRESENTS .020 MAX. PER SURFACE OF SEALANT BUILDUP.
4. FINISH: BLUE EPOXY PAINT PER MIL-C-85285

TOL:
 XX ±.02 [5]
 XXX ±.010 [25]