

ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE \_\_\_\_\_ DC - 40GHz

ATTENUATION \_\_\_\_\_ DC-26.5GHz \_\_\_\_\_ 26.5-40GHz  
 0 TO 9 dB \_\_\_\_\_ ±0.5 dB \_\_\_\_\_ ±0.8 dB  
 10 TO 15, 20 dB \_\_\_\_\_ ±0.6 dB \_\_\_\_\_ ±1.0 dB  
 30 dB \_\_\_\_\_ ±0.8 dB \_\_\_\_\_ ±1.0 dB

VSWR  
 DC - 18.0 GHz \_\_\_\_\_ <1.30:1  
 18.0 - 40 GHz \_\_\_\_\_ <1.40:1

POWER \_\_\_\_\_ @ 25°C SEE TABLE  
 DERATES LINEARLY TO 10% @ 125°C

IMPEDANCE \_\_\_\_\_ 50 OHMS

OPERATING TEMP RANGE \_\_\_\_\_ -55°C TO +125°C

MECHANICAL

HOUSING \_\_\_\_\_ PASSIVATED STAINLESS  
 STEEL IAW ASTM-A484  
 & ASTM-A582 ALLOY 303 COND A

CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER

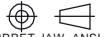
ROHS COMPLIANT

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
 PART MARKING ORIENTATION AND FORMAT AS SHOWN (CURVED SURFACE).  
 dB = SEE TABLE FOR TWO DIGIT dB VALUE.  
 REPLACE "X" WITH ONE DIGIT REPRESENTING POWER LEVEL FROM TABLE.  
 MARKING TO BE AS LARGE AS POSSIBLE.  
 YYWW EQUALS DATE CODE.

| DASH # | ATTENUATION | MARKED dB VALUE |
|--------|-------------|-----------------|
| -00    | 0           | 00              |
| -01    | 1           | 01              |
| -02    | 2           | 02              |
| -03    | 3           | 03              |
| -04    | 4           | 04              |
| -05    | 5           | 05              |
| -06    | 6           | 06              |
| -07    | 7           | 07              |
| -08    | 8           | 08              |
| -09    | 9           | 09              |
| -10    | 10          | 10              |
| -12    | 12          | 12              |
| -15    | 15          | 15              |
| -20    | 20          | 20              |
| -30    | 30          | 30              |

| 4880-6X40-dB | POWER LEVEL |
|--------------|-------------|
| X=0          | 0.5 WATT    |
| X=1          | 1 WATT      |
| X=2          | 2 WATTS     |

DRAWING PRACTICES PER ANSI-Y-14.5  
 MIL-STD-100 & 1000  
 DIMENSIONS ARE IN INCHES AND  
 APPLY BEFORE / AFTER PROCESSING  
 SURFACE ROUGHNESS  $\mu$ INCHES **63**  
 FINISH:  
 SEE NOTE  
 MATERIAL:  
 SEE NOTE  
 NOTE:  
 THIS DRAWING INCORPORATES  
 THIRD ANGLE PROJECTION.  
  
 INTERPRET IAW ANSI Y14.5-1982

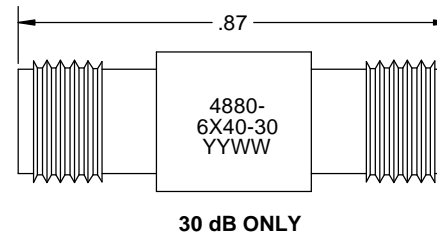
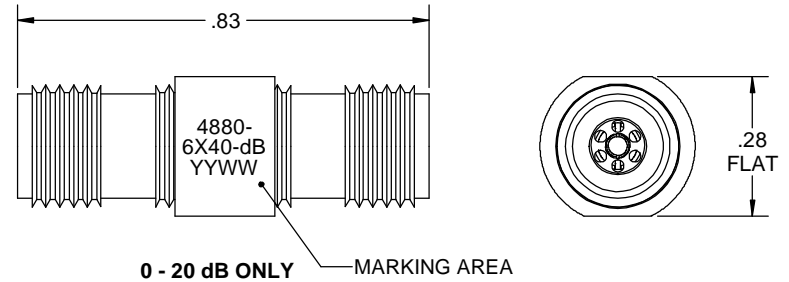
UNLESS OTHERWISE SPECIFIED  
 TOLERANCES IN:  
 DECIMALS INCH [MM]  
 .X" .05" [1.27]  
 .XX" .03" [.76]  
 .XXX" .010" [.25]  
 ANGLES ±0°30'  
 REMOVE ALL BURRS/SHARP W/  
 BREAK / R OF .003" TO .0005"  
 UNLESS OTHERWISE NOTED  
 DIAS CONCENTRIC <.003 T.I.R.  
 DO NOT SCALE PRINT

DRAWN DATE  
**MCCORMICK** 5/21/20  
 CHECKED DATE  
**MCCORMICK** 5/21/20  
 ENG. APPR. DATE  
**T.KUHN** 5/21/20

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REVISIONS

| REV | DESCRIPTION     | ECO #  | DATE    | APPROVED |
|-----|-----------------|--------|---------|----------|
| -   | INITIAL RELEASE | 20-074 | 5/21/20 | T.KUHN   |
|     |                 |        |         |          |
|     |                 |        |         |          |



| QTY. | PART NUMBER      | DESCRIPTION  | ITEM NO. |
|------|------------------|--|----------|
| X    | 4880-6X40-dB     | ATTENUATOR, 2.9mm-f/f, DC-40 GHz, 1W                 |          |
| 1    | TA-4880-6X40-dBU | ASSY, ATTENUATOR, 2.9mm-f/f, DC-40 GHz, 1W, UNMARKED | 1        |



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ATTENUATOR, 2.9mm-f/f, DC-40 GHz

| SIZE  | CAGE CODE          | DRAWING NUMBER | REV |
|-------|--------------------|----------------|-----|
| B     | 3HT76              | 4880-6X40-dB   | -   |
| SCALE | PLATED AREA SQ. IN | SHEET 1 OF 1   |     |