








| Amphenol ANTENN Soumton |  | (6x) 1695-2700 / (2x) 3550-3700 / (2x) 5150-5925 MHz |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6U4MTSP1X12Fxys0 |  |  |  |  |  |  |  |
| - Pseudo Omni / Sector configuration with 28 connectors <br> - Ideal for Small Cell / DAS applications <br> - Available with $4.3 / 10$ connectors <br> - Four unique mounting options <br> and brown |  |  |  |  |  |  |  |
| Connector Description |  |  |  |  |  |  |  |
| The atiorna has 28 comectors lected st the betiom. |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Mid dand ${ }^{\text {2 }}$ | $\square{ }^{1}$ | Psaudo Ommi | 1685.270 | NH2 | (2x)4.3/10 Femab |  |  |
| Mid Band 3 3 | $\square_{1}$ | Psausbomi | 1695.270 | NHz | (2x)4,3/10 Famab |  |  |
| Mid dand 44 | $\square_{4}$ | Psaudo Ommi | 16952720 | NHz | (2x)43/10 Femab |  |  |
| Mid dand 55 | $\square{ }^{\text {Y5 }}$ | Scatorized | 1695270 | NHz | (5x) 4.3/10-amamber |  |  |
| Mid dand ${ }^{\text {ct }}$ | $\square{ }^{\text {Y6 }}$ | Sactorised | 18952700 | NHz | (5x) 43/10 Famab |  |  |
| High Band E1 | ■v1 | Psaudo Ommi | 3550.370 | NHz | (204.3/10 Famab |  |  |
| Hgh Band $\mathrm{P}^{2}$ | ■v2 | Psaudo Ommi | 3550.370 | NHz | (2x) 43.30 Faman |  |  |
| Hoph Bond 3 | Ev3 | Psaudo Omni | 5150.592 | MHz | (2x)43/10 Emama |  |  |
| Hght Bond ${ }^{\text {a }}$ | ■v4 |  |  |  |  |  |  |
| Electrical Characteristics |  |  |  |  |  | [V1and $\mathrm{V}_{2}$ | - V3andiva |
| Froquency Eands (MHH2) |  | (500) 1695 27700 |  |  |  | (2x) 35503700 | ${ }^{12055150.5925}$ |
| Polseration |  | ( $0^{(50)}$ ) $45^{\circ}$ |  |  |  | $(2 x) \pm 5^{\circ}$ | $(2 x) \pm 45^{\circ}$ |
| Heizontal | Psoudo Omni | $360^{\circ}$ | 360 | $330{ }^{\circ}$ | $330^{\circ}$ | 360 | 360 |
|  | Sectax | $70^{\circ}$ | $6^{6}$ | $65^{\circ}$ | $63^{\circ}$ | - | - |
| Verrical Beammidh |  | $17^{\circ}$ | $16^{\circ}$ | $15^{\circ}$ | $14{ }^{1}$ | $15^{\circ}$ | $14^{*}$ |
| Gain | Psoubo Omi | 9.2 dBi | ${ }^{9} .3$ dBi | 9.5 dBi | 9.6 dif | 5.9 dBi | 5.5 dBi |
|  | Soctax | ${ }^{13.0 \mathrm{dBi}}$ | 13.5 dei | 14.0dBi | 14.3 dis | - |  |
| Elatrial Dommitit? |  | ( $\times 10$ |  |  |  | () 0 | ()0 |
| $\frac{\text { Impodnce }}{}$ |  | 500 |  |  |  | 500 | 500 |
|  |  | \$15:1 | ¢15:9 |
| VSNR Upper Sddelota Suppersion |  |  |  |  |  |  |  |  |  | > 15 dB | > 15 dB |
| Imataion Betweon Pats |  | 20 dB |  |  |  | 25 dB | 25 dB |
| 1 M 3 (2020w camie) |  | $<-153 \mathrm{dBC}$ |  |  |  | NA | NA |
| Input Power |  | (20x) 300 w |  |  |  | (48) 300 W | (44) 300 W |
| Numbar of Sectors, Sector Spacingand/or Pattern Shape |  | 3 Setors/ Pseudo Ommi \& Setorizod |  |  |  |  |  |
| Lightning Protection |  |  |  |  | at Ground |  |  |
| Mechanical Characteristics |  |  |  |  |  |  |  |
| Anterma Dimanciors Holigh x Dasmater) |  | $1219 \times 371 \mathrm{~mm}$ VOLUME=4.52 CU. FT. ${ }^{48.0 \times 14.6}$ in |  |  |  |  |  |
| Weight without Mounting Rracket Kit |  | < 2.7 .7 kg |  |  |  |  | < 50 lts |
| Antema Volume |  |  |  |  |  |  | $4.7{ }^{\text {t }}$ |
|  |  | $\frac{0.13 \mathrm{~m}^{2}}{200 \mathrm{~km} / \mathrm{mr}}$ |  |  |  |  | 125 mph |
| Wnd Aosas |  | $\frac{0.47 \mathrm{~m}^{2}}{391 \mathrm{~N}}$ |  |  |  |  | $5.0 \mathrm{H}^{2}$ |
| Whd Lood (160 $\mathrm{mm} /$ fror 100 mph$)$ |  |  |  |  |  |  | 88 lb |
|  |  |  |  |  |  |  |  |



> CBC 1923-4310 I E1 IF13P20 Diplexer PCS/AWS+WCS, oc block, 4.3-10 - Full pefformance in a fraction of the size - High power handling

Includes AWS-3 and AWS-4 bands
New $4.5-10$ connetors for improved PIM performance and size reduction
Ideal for $s m a l l$ cell applications

## General Specifications

| Product Type | Diplexer <br> Modularity |
| :--- | :--- |
| 1 -Single |  |

Electrical Specifications
Sub-module
Branch
Roat

Sranch Designatio
d


Port 1850-199
Pcs 1900
TOD 1900
Electrical Specifications, Band Pass
Frequency Range
Insertion Loss, typical
Total Group Delay, maximu
Return Loss, typical
solation, typical
Input Power, RMS, maximum
Input Power, PEP, , maximum
Input Power, PEP, maxiin
3rd Order PIM, typical
Id Order PIM, typical
Product Classification

Lightning Surge Current $\quad 10 \mathrm{kA}$
Lightning Surge Current Waveform $8 / 20$ waveform






