

(1) Series ESI-3EAR : 1.6mm Height  
(2) Center Frequency  
(3) G : GHz  
(4) Control No.  
(5) T : Taping  
Blank : Bulk

| Frequency<br><br>(GHz) | Ins. Loss<br><br>Max.<br>(dB) | Isolation<br><br>Min.<br>(dB) | V.S.W.R.<br><br>( IN )<br>Max. | V.S.W.R.<br><br>( OUT )<br>Max. | Attenuation           |                       | Handling<br>Power<br>Max.<br>(W) | Reflection<br>Power<br>Max.<br>(W) |
|------------------------|-------------------------------|-------------------------------|--------------------------------|---------------------------------|-----------------------|-----------------------|----------------------------------|------------------------------------|
|                        |                               |                               |                                |                                 | at 2f<br>Min.<br>(dB) | at 3f<br>Min.<br>(dB) |                                  |                                    |
| 2.010-2.025            | [0.50]<br>0.60                | 13                            | 1.50                           | 1.50                            | 12                    | 20                    | 2.5                              | 0.6                                |

[ ]---Room temperature(deg.C) ; +20 to +30

Technical drawing of a 1.55mm thick multi-layer PCB showing top, bottom, and cross-sectional views with dimensions and material specifications.

**Top View Dimensions:**

- Overall width: 3.2
- Overall height: 3.2
- Inner width: 3.4
- Inner height: 1.55
- Top layer thickness:  $+0.05$  to  $+0.08$
- Bottom layer thickness:  $+0.03$  to  $+0.05$
- COPLANARITY: 0.1 max.

**Bottom View Dimensions:**

- Overall width: 3.4
- Overall height: 1.55
- Inner width: 1.77
- Inner height: 1.55
- Top layer thickness:  $+0.05$  to  $+0.08$
- Bottom layer thickness:  $+0.03$  to  $+0.05$
- COPLANARITY: 0.1 max.

**Cross-sectional View Dimensions:**

- Overall width: 0.3
- Overall height: 1.05
- Inner width: 1.05
- Inner height: 1.05

**Material Specifications:**

- STEEL CASE
- Ag PLATING (3~5 $\mu$ m)
- on COPPER PLATING (1 $\mu$ m~)

**Legend:**

- ① GROUND
- ② OUT
- ③ GROUND
- ④ GROUND
- ⑤ I N
- ⑥ GROUND

**Notes:**

- UNLESS OTHERWISE SPECIFIED
- ALL DIMENSIONS ARE IN mm
- TOLERANCES ARE +/-0.15mm