

TITLE: U, E, I CORES	EFFECTIVE: November 24, 2014 Rev. 0
DEVELOPED BY: RICH ECKMANN	SUPERSEDES: VIC_U, E, I Cores (excerpt from MMPA defined criteria)
UPDATE RESPONSIBILITY: QUALITY DEPARTMENT	

0 U, E, I Cores – General

0.1 Refer to the most current revision of the Fair-Rite Products document Visual Inspection – Definitions & General Criteria for irregularity definitions.

1 U, E, I Cores

1.1 Limits for Irregularities - All U, E, I Core Types:

Type	Location	Max. Size Allowed (reference dimension is defined as smallest dimension of surface under consideration)	Max Count Allowed
Chips	Non-mating surfaces	Largest dimension equal to 1/2 of the reference dimension to a <i>max equiv. area of 5 mm x 7 mm</i>	U Core- 7, E Core- 5, I Core- 2
Chips	Mating surfaces	Largest dimension equal to 1/3 of the reference dimension to a <i>max equiv. area of 5 mm x 7 mm</i>	U Core- 2, E Core- 3, I Core- 2
Cracks	Non-mating surfaces	Largest dimension equal to 1/4 of the reference dimension to a <i>max equiv. area of 5 mm x 7 mm</i> (cracks parallel to the flux path are acceptable but are not to exceed a count of 5)	U Core- 2, E Core- 2, I Core- 2
Cracks	Mating surfaces	Sum of total cracks for each surface is equal to 1/2 the reference dimension	N/A
Pits, Voids	All surfaces	Considered as chips	See above
Pullout	All Surfaces	0.005in (0.127mm) deep	Cumulative area of Pullout must be less than 25% (1/4) of the relevant surface area



Actual size 5mm X 7mm

1.2 All mating surfaces shall be free of dirt or any other foreign matter.

1.3 Any stain, discoloration or surface crazing that does not interfere mechanically or electrically is allowed.

2 Associated Documents:

2.1 Fair-Rite Products: Visual Inspection – Definitions & General Criteria

3 Revisions:

Revision Number	Reason for Change	Revision Date
0	Created document based on VIC_U, E, I Cores (excerpt from MMPA defined criteria)	11/7/14

References:

MMPA STANDARD NO. UEI 310 (Revised September 1988)