TABLE 1 - Failure (or Pass/Fail) N-Channel Device Vds Voltages for the Indicated Ion Beams																
BVds	**Mfr.**	**Mfr. No.**	**Gen. No.**	**Chan. Type**	**Samp.**	**Vgs (off) [-V]**	**Low Z Ions**	**Cu = 16: Fe, Ni, Co LET = 27:**	**Br, Kr LET = 38**	**Hi Z Ions**	**Hi-Energy Beams***	**Fail mode**	**Test Org.**	**Date**	**Test Fac.**	**Remarks**
	Rated Vds = 400 V															
400	APT	APT40M42		n	3	12		200/225				SEB	HON	2/93	BNL	D/C 9302. SSF WP-02
400	**HAR**	**FRL430**		**n**	**1**	**0**				**72.5/75(I)**		**SEGR**	**JPL**	**6/97**	**BNL**	**Selva/Swift**
400	HAR	IRHM7360		n	2 & 4	0		225/250(Ni)	175/200(Br)			SEGR	Rock	9/92	BNL	T = 90° C.
400	HAR		2N6800	n		5		130				SEB	BREL	1/93	UW	WP-01. D/C 8830. T = 28° C.
400	HAR		2N6800	n		5		130				SEB	BREL	1/93	UW	WP-01. T = 100° C. See preceding.
400	**HAR**	**FRL430**		**n**	**1**	**10**				**47.5/50(I)**		**SEGR**	**JPL**	**6/97**	**BNL**	**Selva/Swift**
400	**HAR**	**FRL430**		**n**	**1**	**20**				**25/27.5(I)**		**SEGR**	**JPL**	**6/97**	**BNL**	**Selva/Swift**
400	INR	IRF310	2N6786	n		0		260/270(Ni)	250/260(Br)			SEB	ESA	1/94	BNL	D/C 9228G. Harwell Rept. AEA-RS-1348
400	INR	IRF330	2N6800	n		0		240/260(Ni)	200/240(Br)			SEB	ESA	1/94	BNL	D/C 9228G. Harwell Rept. AEA-RS-1348
400	INR	IRF340		n		0		250/260(Ni)	240/280(Br)			SEB	ESA	1/94	BNL	D/C 9228G. Harwell Rept. AEA-RS-1348
400	INR	IRF350	2N6768	n		0		260/280(Ni)	200/240(Br)			SEB	ESA	1/94	BNL	D/C 9228G. Harwell Rept. AEA-RS-1348
400	INR	IRF360		n	5 & 4	0		220/230(Ni)	225/250(Br)			SEB	Rock	9/92 12/92	BNL	D/C 9143. Br @ T = 90° C; Ni @ RT
400	**INR**	**IRF360**		**n**	**6**	**0**					**290-n**	**SEB**	**BREL**	**1995**	**WNR**	**Cosmic ray neutrons**
400	**INR**	**IRF360**		**n**	**3**	**0**					**350-n**	**SEB**	**BREL**	**1996**	**14 MeV**	**14 MeV neutrons**
400	**INR**	**IRH7264SE**	**2N7391**	**n**	**3**	**0**		**325/350(Cu)**	**400(Br)**			**SEGR**	**INR/ NSWC**	**2/98**	**BNL**	**Different D/Cs?**
400	INR		2N6780	n		0			200/240(Br)			SEB	ESA	1/94	BNL	Commercial, Harwell Rept. AEA-RS-1348
400	INR	IRFF330	2N6800	n		2		<235(Cu)	235(Br)			SEB	Rock	7/92	BNL	T = 90° C.
400	INR	IRF340		n		5		260				SEB	BREL	5/94	UCB	T =45 & 100° C tests. Oberg.
400	INR	IRF350	2N6768	n		5		260				SEB	BREL	6/93	UCB	WP-01. Vth = 280 @ T = 100° C. Oberg.
400	INR	IRF350	2N6768	n		5		240(Co)				SEB	BREL	5/94		WP-01. RT & 100° C tests. Oberg
400	INR	IRFF330	2N6800	n		5		240(Co)				SEB	BREL	12/92	UW	D/C E9115. WP-01 T = 100° C.
400	INR	IRFF330	2N6800	n		5		240(Co)				SEB	BREL	3/95		WP-01. RT & 100° C tests. Oberg
400	**INR**	**IRH7264SE**	**2N7391**	**n**	**3**	**5**		**400(Cu)**	**400(Br)**			**SEGR**	**INR/ NSWC**	**2/98**	**BNL**	
400	INR	IRHM7360		n	5	5		175/200(Ni)				SEGR	Rock	12/92 4/93	BNL	T = 90° C.
400	**INR**		**2N6786**	**n**	**1**	**5**				**150(I)**		**SEGR**	**JPL**	**6/97**	**BNL**	**Selva/Swift**
400	INR	IRHM7360		n	5	7		175/200(Ni)				SEGR	Rock	4/93	BNL	T = 90° C.
400	**INR**	**IRH7264SE**	**2N7391**	**n**	**3**	**10**		**400(Cu)**	**400(Br)**			**SEGR**	**INR/ NSWC**	**2/98**	**BNL**	
400	**INR**		**2N6786**	**n**	**1**	**10**				**110/115(I)**		**SEGR**	**JPL**	**6/97**	**BNL**	**Selva/Swift**
400	INR	IRF360		n	4	12		225/250				SEGR	HON	2/93	BNL	D/C 9238G. Lintz
400	INR	IRFF330	2N6800	n		15			235(Br)			SEB	Rock	7/92	BNL	T = 90° C.
400	**INR**	**IRH7264SE**	**2N7391**	**n**	**3**	**15**		**400(Cu)**	**275/300(Br)**			**SEGR**	**INR/ NSWC**	**2/98**	**BNL**	**At V_{GS} = 20 V, 2 devices passed, 1 failed with Cu.**
400	INR	IRHM7360		n		15			125(Br)			SEGR	Rock	7/92	BNL	T = 90° C.
400	**INR**		**2N6786**	**n**	**1**	**20**				**40/45(I)**		**SEGR**	**JPL**	**6/97**	**BNL**	**Selva/Swift**
400	INR	IRHM7360		n	6	0 to 2		175/200(Ni)	220(Br)			SEGR	Rock	7/92 4/93	BNL	T = 90° C.
400	INR	IRF340		n		2?		245				SEB	MM	8/93	BNL?	WP-02. D/Cs 8924, 9031, 9110. T. Rao-Sahib

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400	INR	IRFF320	2N6792	n		2?		<260(Cu)				SEB	Rock	1990		Compare UTR device.
400	INR	IRF350	2N6768	n						130		SEB	CNES	1992	GANIL	Dufour, et. al., 92IEEE Workshop Record.
400	INR	IRH7360		n			400					none	INR	1/93	BNL	IR7xxx = Rad tolerant.
400	SIL	IRF350	2N6768	n		10		<120(Cu)				SEB	Rock	1990	UCB	