ADAPTIVE DIGITAL
TECHNOLOGIES, INC.

TONE GENERATOR

Adaptive Digital Technologies, Inc.

PRODUCT DESCRIPTION

Adaptive Digital's Call Progress Tone Generator software generates telephony call progress tones such as reorder, dial-tone, etc. The call progress tone generator has applications in switching, PBX, and Voice-Over-Data equipment.

FEATURES

- **eXpress DSP**™ Compliant
- ITU Q.35 compliant
- Functions are C-callable
- Handles multiple signaling tones
- Frequencies and amplitude are host specified
- Low overhead interface
- Low per-channel memory requirements

Strategic member of the TI Third Party Network

eXpressDSP™ Compliant

AVAILABLILITY

ADT CPTG is available on the TMS320™ DSP Family
C54x™DSP, C55x™DSP, & C64x™DSP Generations

SPECIFICATIONS

C54x

All Memory usage is given in units of 16-bit word.

Software	Peak Loading (MIPS)	Program Memory	Data Memory	Per Channel Data Memory
CPG_ADT_generate	0.27 *	479	148	16

*Loading assumes a 2-frequency signal

C55x

All Memory usage is given in units of byte.

Software	Peak Loading (MIPS)	Program Memory	Data Memory	Per Channel Data Memory
CPG_ADT_generate	0.18 *	628	296	32

*Loading assumes a 2-frequency signal

C64x

All Memory usage is given in units of byte.

Software	Peak Loading (MIPS)	Program Memory	Data Memory	Per Channel Data Memory
CPG_ADT_generate	0.12 *	1284	296	32

*Loading assumes a 2-frequency signal

₪ —— Last update: 06/30/2005

FUNCTION

CPG_ADT_init(. . .)　　　　　　Initializes Call Progress Tone Generator

CPG_ADT_generate(. . .)　　　　Executes Call Progress Tone Generator

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